The State of New Hampshire
Department of Environmental Services

Michael P. Nolin
Commissioner

AGGREGATED PRECIPITATION DATA for N.H. DROUGHT MANAGEMENT AREAS

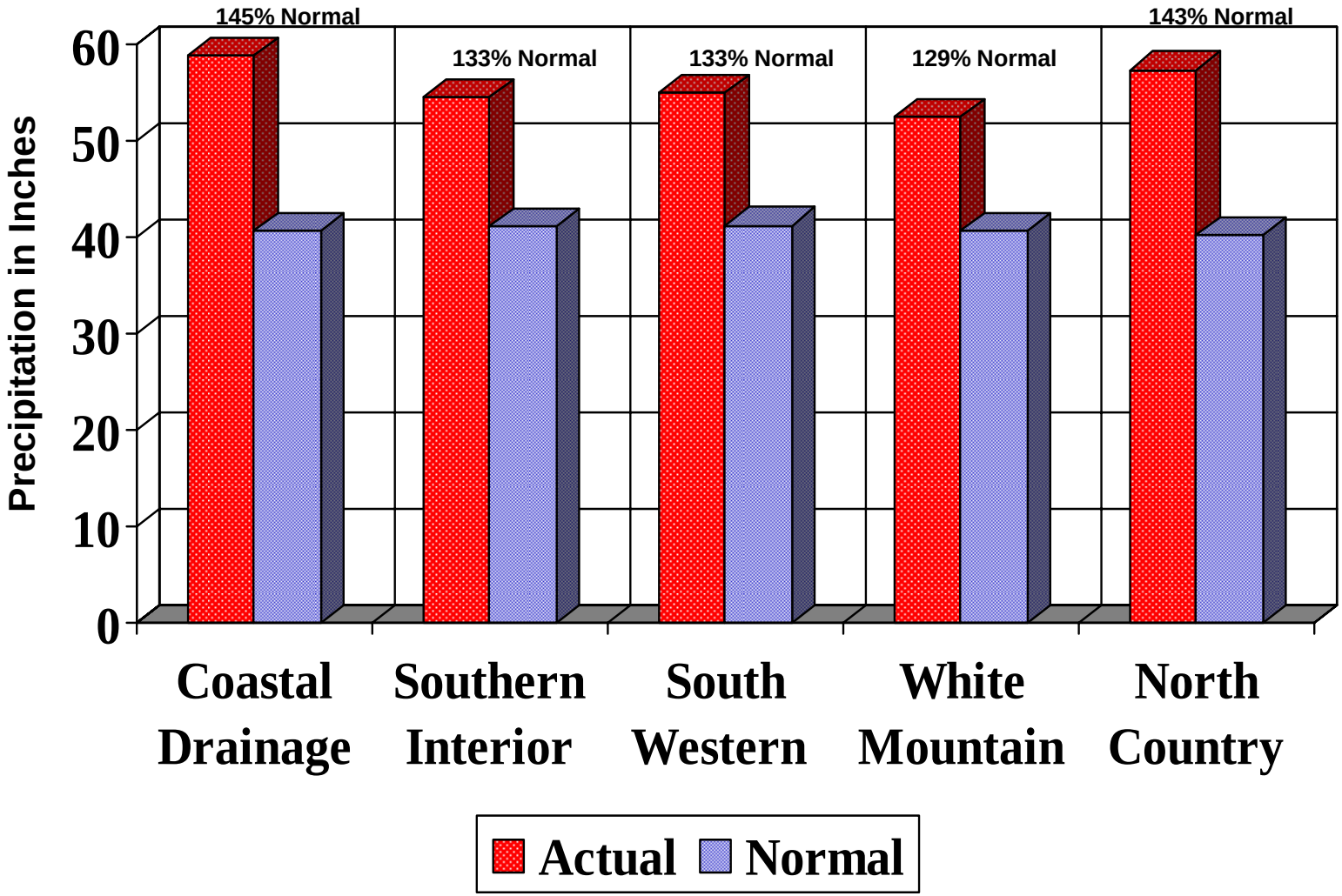
	Actual Rainfall (inches)	Normal Rainfall (inches)	Deviation from Normal (inches)	Percent of Normal
Coastal Drainage: Rockingham, Strafford counties				
four month	14.04	13.14	0.90	107%
six month	34.20	20.84	13.36	164%
nine month	42.83	30.78	12.05	139%
twelve month	58.84	40.62	18.22	145%
Southern Interior: Belknap, Hillsborough, Merrimack counties				
four month	12.72	13.29	-0.57	96%
six month	31.64	20.81	10.83	152%
nine month	40.67	31.07	9.60	131%
twelve month	54.52	41.08	13.44	133%
South Western: Cheshire, Sullivan counties				
four month	11.27	13.16	-1.90	86%
six month	31.94	20.42	11.52	156%
nine month	42.03	30.86	11.17	136%
twelve month	54.97	41.18	13.79	133%
White Mountain: Carroll, Grafton counties				
four month	11.47	12.28	-0.81	93%
six month	27.17	27.17	7.55	100%
nine month	38.74	30.40	8.34	127%
twelve month	52.41	40.66	11.75	129%
North Country: Coos county				
four month	11.15	11.40	-0.25	98%
six month	28.01	18.36	9.65	153%
nine month	42.53	29.72	12.81	143%
twelve month	57.39	40.24	17.15	143%

four month period : December 2005 - March 2006
six month period : October 2005 - March 2006
nine month period : July 2005 - March 2006
twelve month period: April 2005 - March 2006

Source: Northeast River Forecast Center, NH Des Dam Bureau

P.O. Box 95, 29 Hazen Drive, Concord, New Hampshire 03302-0095
Telephone: (603) 271-3503 • Fax: (603) 271-7894 • TDD Access: Relay NH 1-800-735-2964
DES Web site: **www.des.nh.gov**

TWELVE MONTH AGGREGATED PRECIPITATION DATA for N.H. DROUGHT MANAGEMENT AREAS from April 2005 through March 2006



NH DES Dam Bureau, Northeast River Forecast Center

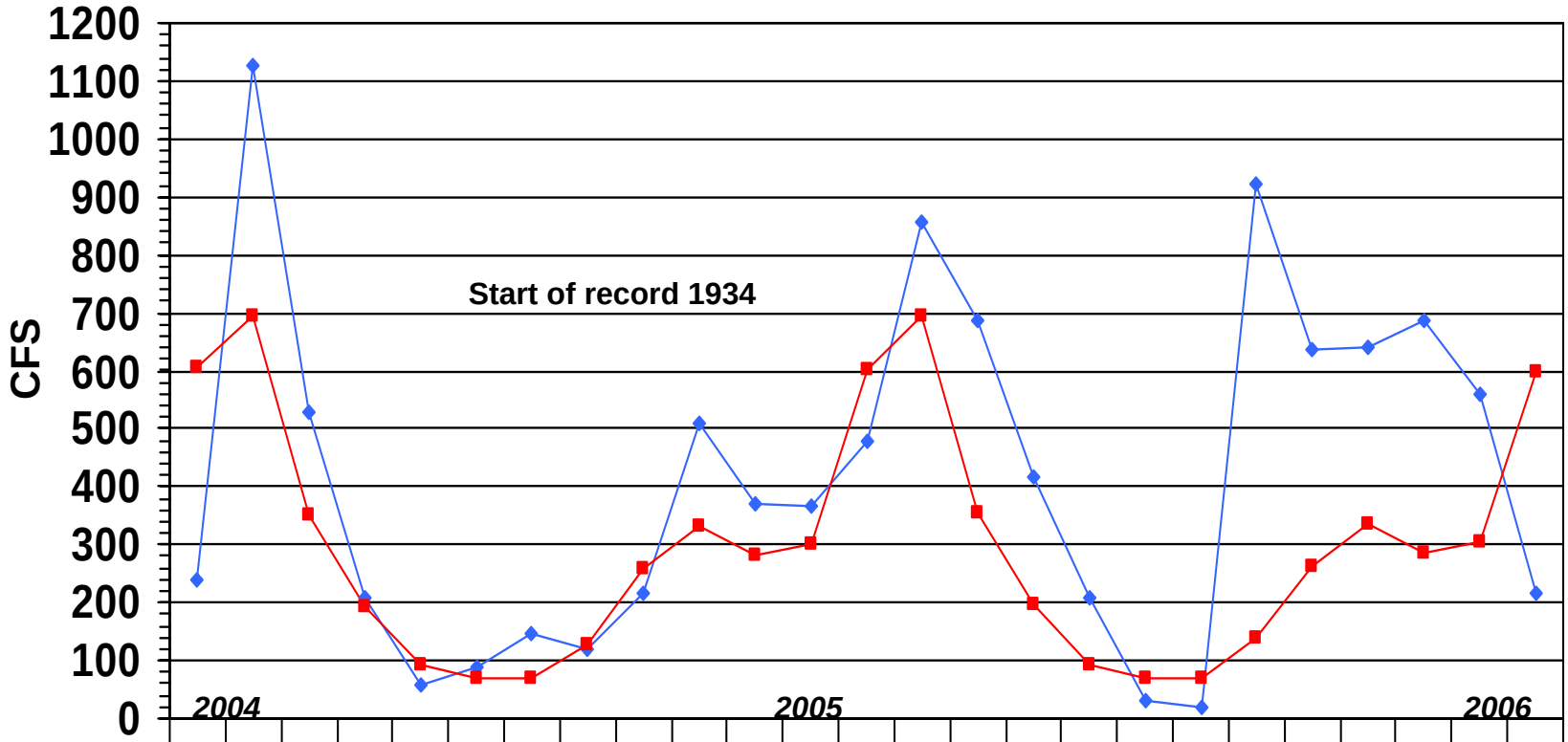
MONTHLY PRECIPITATION DATA FOR N.H COUNTIES

		2005 APRIL	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	2006 JAN	FEB	MARCH
Coastal drainage													
STRAFFORD	actual	5.45	7.21	4.24	3.24	1.98	2.92	15.92	4.94	5.80	5.67	2.93	1.25
	normal	3.40	3.28	3.04	3.12	3.28	3.44	3.48	4.12	3.76	3.12	2.72	3.20
	deviation	2.05	3.93	1.20	0.12	-1.30	-0.52	12.44	0.82	2.04	2.55	0.21	-1.95
ROCKINGHAM	actual	5.05	6.28	3.79	3.13	3.33	2.67	14.77	4.68	4.74	4.22	2.56	0.91
	normal	3.44	3.40	3.12	3.20	3.44	3.40	3.56	4.24	3.92	3.32	2.84	3.40
	deviation	1.61	2.88	0.67	-0.07	-0.11	-0.73	11.21	0.44	0.82	0.90	-0.28	-2.49
Average	actual	5.25	6.75	4.02	3.19	2.66	2.80	15.35	4.81	5.27	4.95	2.75	1.08
	normal	3.42	3.34	3.08	3.16	3.36	3.42	3.52	4.18	3.84	3.22	2.78	3.30
	deviation	1.83	3.41	0.94	0.03	-0.71	-0.63	11.83	0.63	1.43	1.73	-0.04	-2.22
Southern Interior													
HILLSBOROUGH	actual	5.08	5.56	2.62	3.59	3.13	2.09	14.39	4.59	4.55	4.46	2.58	0.99
	normal	3.56	3.52	3.36	3.32	3.68	3.60	3.72	4.32	4.16	3.60	3.16	3.88
	deviation	1.52	2.04	-0.74	0.27	-0.55	-1.51	10.67	0.27	0.39	0.86	-0.58	-2.89
MERRIMACK	actual	5.16	5.06	3.87	3.64	2.52	3.18	15.05	4.99	4.56	4.29	2.55	1.48
	normal	3.36	3.36	3.20	3.28	3.44	3.36	3.44	4.00	3.92	3.16	2.84	3.40
	deviation	1.80	1.70	0.67	0.36	-0.92	-0.18	11.61	0.99	0.64	1.13	-0.29	-1.92
BELKNAP	actual	4.69	5.05	4.46	3.08	2.38	3.47	13.71	4.02	5.14	4.26	2.12	1.19
	normal	3.24	3.28	3.16	3.44	3.28	3.36	3.28	3.80	3.48	2.92	2.44	2.92
	deviation	1.45	1.77	1.30	-0.36	-0.90	0.11	10.43	0.22	1.66	1.34	-0.32	-1.73
Average	actual	4.98	5.22	3.65	3.44	2.68	2.91	14.38	4.53	4.75	4.34	2.42	1.22
	normal	3.39	3.39	3.24	3.35	3.47	3.44	3.48	4.04	3.85	3.23	2.81	3.40
	deviation	1.59	1.84	0.41	0.09	-0.79	-0.53	10.90	0.49	0.90	1.11	-0.40	-2.18
South Western													
CHESHIRE	actual	4.68	3.99	5.34	5.05	2.99	2.86	15.86	4.87	4.81	4.10	1.55	1.13
	normal	3.40	3.44	3.44	3.28	3.68	3.52	3.36	3.84	3.76	3.28	2.80	3.48
	deviation	1.28	0.55	1.90	1.77	-0.69	-0.66	12.50	1.03	1.05	0.82	-1.25	-2.35
SULLIVAN	actual	4.49	3.66	3.73	2.62	3.73	2.92	15.20	5.42	3.76	3.82	2.01	1.35
	normal	3.44	3.56	3.36	3.32	3.64	3.44	3.48	3.84	3.72	3.12	2.80	3.36
	deviation	1.05	0.10	0.37	-0.70	0.09	-0.52	11.72	1.58	0.04	0.70	-0.79	-2.01
Average	actual	4.59	3.83	4.54	3.84	3.36	2.89	15.53	5.15	4.29	3.96	1.78	1.24
	normal	3.42	3.50	3.40	3.30	3.66	3.48	3.42	3.84	3.74	3.20	2.80	3.42
	deviation	1.17	0.33	1.14	0.54	-0.30	-0.59	12.11	1.31	0.55	0.76	-1.02	-2.18
White Mountain													
GRAFTON	actual	3.78	3.97	5.42	4.00	4.76	3.85	10.74	4.99	3.61	3.44	1.70	1.53
	normal	3.24	3.56	3.48	3.84	3.64	3.48	3.48	3.76	3.64	2.92	2.60	3.04
	deviation	0.54	0.41	1.94	0.16	1.12	0.37	7.26	1.23	-0.03	0.52	-0.90	-1.51
CARROLL	actual	4.83	5.26	4.09	3.74	3.59	3.20	10.92	4.74	5.11	4.06	2.19	1.30
	normal	3.32	3.48	3.44	3.68	3.48	3.44	3.52	3.92	3.68	3.00	2.60	3.08
	deviation	1.51	1.78	0.65	0.06	0.11	-0.24	7.40	0.82	1.43	1.06	-0.41	-1.78
Average	actual	4.31	4.62	4.76	3.87	4.18	3.53	10.83	4.87	4.36	3.75	1.95	1.42
	normal	3.28	3.52	3.46	3.76	3.56	3.46	3.50	3.84	3.66	2.96	2.60	3.06
	deviation	1.03	1.10	1.30	0.11	0.62	0.07	7.33	1.03	0.70	0.79	-0.66	-1.65
North Country													
COOS	actual	4.45	4.82	5.59	4.99	4.75	4.78	10.90	5.96	4.00	3.54	1.86	1.75
	normal	3.04	3.32	4.16	3.96	4.00	3.40	3.48	3.48	3.44	2.72	2.48	2.76
	deviation	1.41	1.50	1.43	1.03	0.75	1.38	7.42	2.48	0.56	0.82	-0.62	-1.01

Source: Northeast River Forecast Center, NH DES Dam Bureau

LAMPREY RIVER near NEWMARKET NH
Gage# 01073500

MONTHLY MEAN FLOW COMPARED TO MEAN OF MONTHLY FLOWS

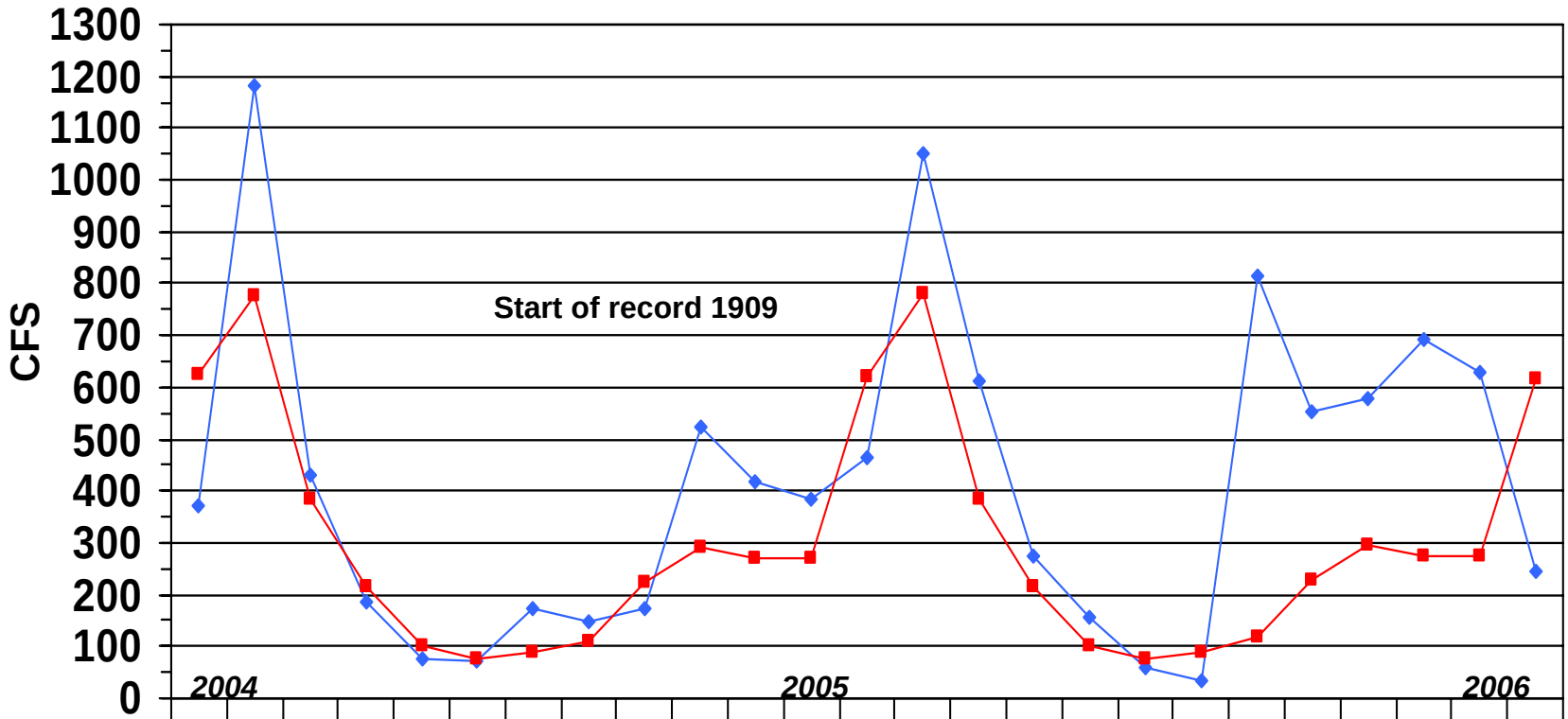


	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar
Monthly Mean Flow	241	1125	529	207	56	89	145	119	217	508	369	368	477	857	685	415	209	29	18	923	638	639	685	561	217
Mean of Monthly Flows	605	694	351	192	91	71	71	128	259	333	282	301	603	696	355	195	93	70	70	139	264	337	287	304	598
% of Normal	40%	162%	151%	108%	62%	125%	204%	93%	84%	153%	131%	123%	79%	123%	193%	213%	255%	41%	26%	664%	242%	190%	239%	185%	36%

NH DES, Dam Bureau, Source: USGS (Ice: 01/03,12/04)

SOUHEGAN RIVER at MERRIMACK NH
Gage# 01094000

MONTHLY MEAN FLOW COMPARED TO MEAN OF MONTHLY FLOWS

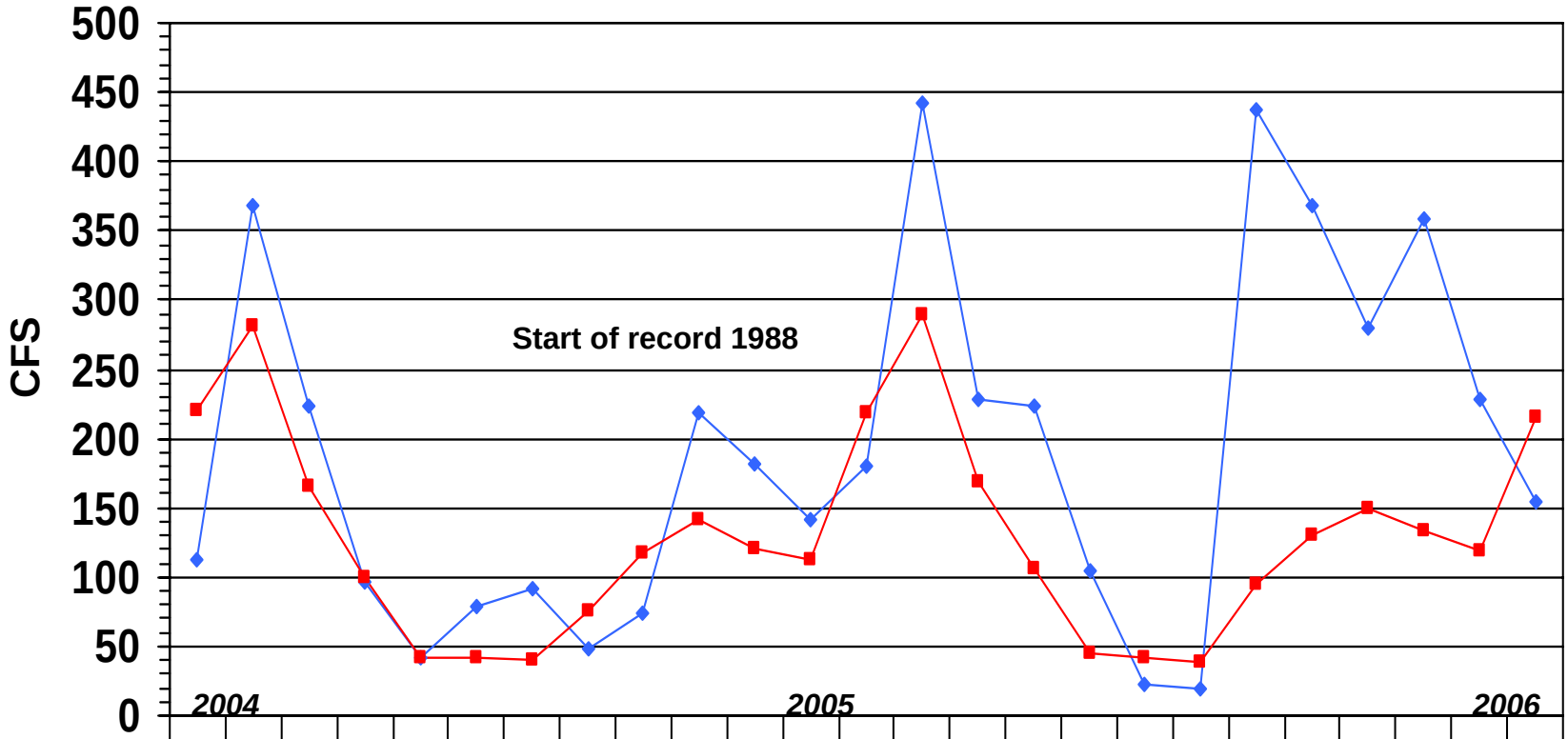


	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar
Monthly Mean Flow	371	1181	430	184	76	71	173	146	171	525	419	386	464	1049	613	276	158	61	32	814	551	580	693	630	245
Mean of Monthly Flows	624	776	382	214	100	78	89	108	224	292	270	270	622	780	385	215	101	78	88	118	228	296	276	275	616
% of Normal	59%	152%	112%	81%	65%	79%	194%	135%	76%	180%	155%	143%	75%	134%	159%	128%	156%	78%	36%	690%	242%	196%	251%	229%	40%

NH DES, Dam Bureau, Source: USGS (ice-01/03,02/03,03/03,01/04,02/04)

SOUCOOK RIVER at PEMBROKE ROAD
near CONCORD NH, Gage# 01089100

MONTHLY MEAN FLOW COMPARED TO MEAN OF MONTHLY FLOWS

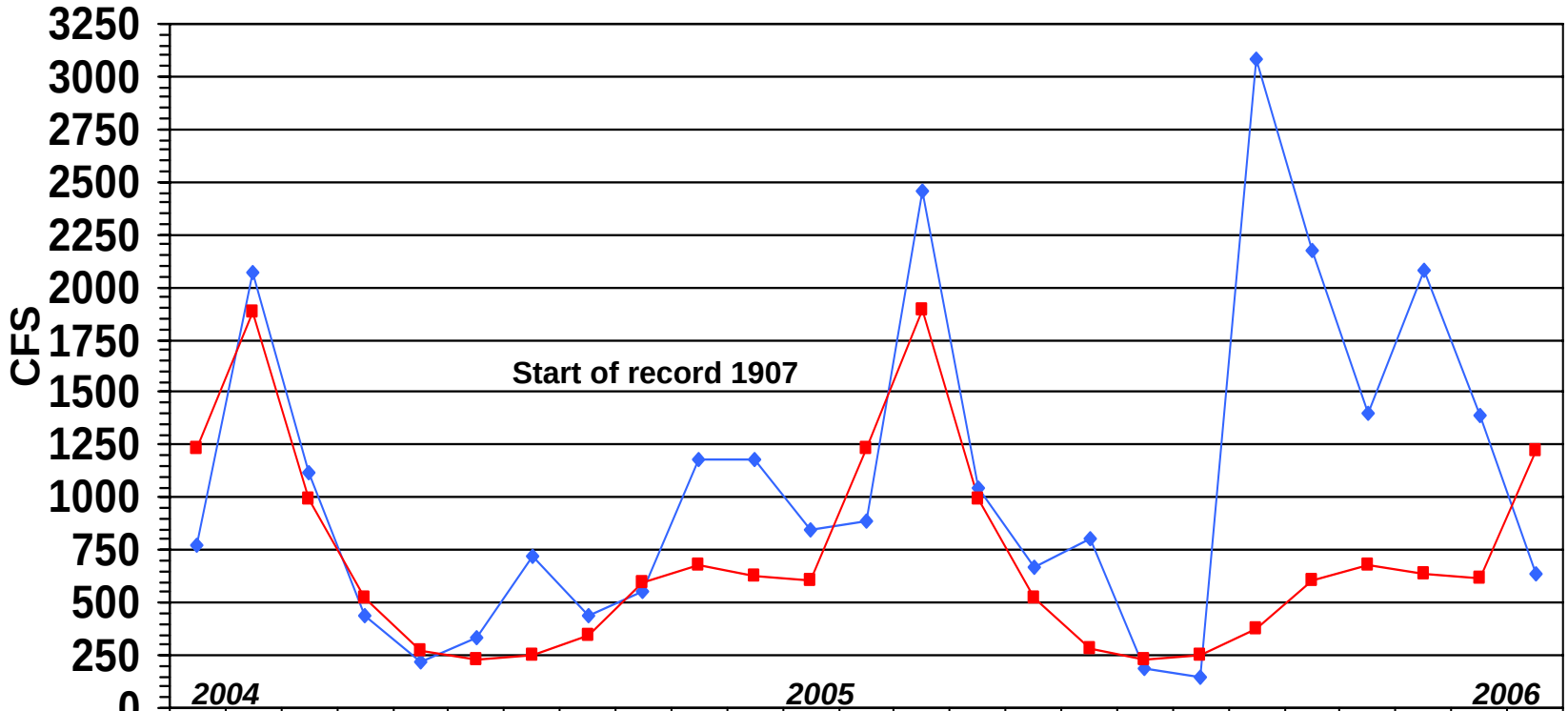


	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar
Monthly Mean Flow	112	368	224	97	42	79	91	49	74	218	181	141	180	442	229	224	104	22	19	438	368	280	359	229	155
Mean of Monthly Flows	221	281	165	99	41	42	40	75	117	142	120	113	219	290	169	106	45	41	39	95	131	150	133	119	216
% of Normal	51%	133%	136%	98%	102%	188%	228%	65%	63%	149%	143%	125%	84%	152%	137%	115%	231%	54%	49%	461%	281%	187%	270%	192%	72%

NH DES, Dam Bureau, Source: USGS (ice: 01/03, 02/03, 03/03, 01/04, 02/04, 03/04).

ASHUELOT RIVER at HINSDALE NH
Gage# 01161000

MONTHLY MEAN FLOW COMPARED TO MEAN OF MONTHLY FLOWS

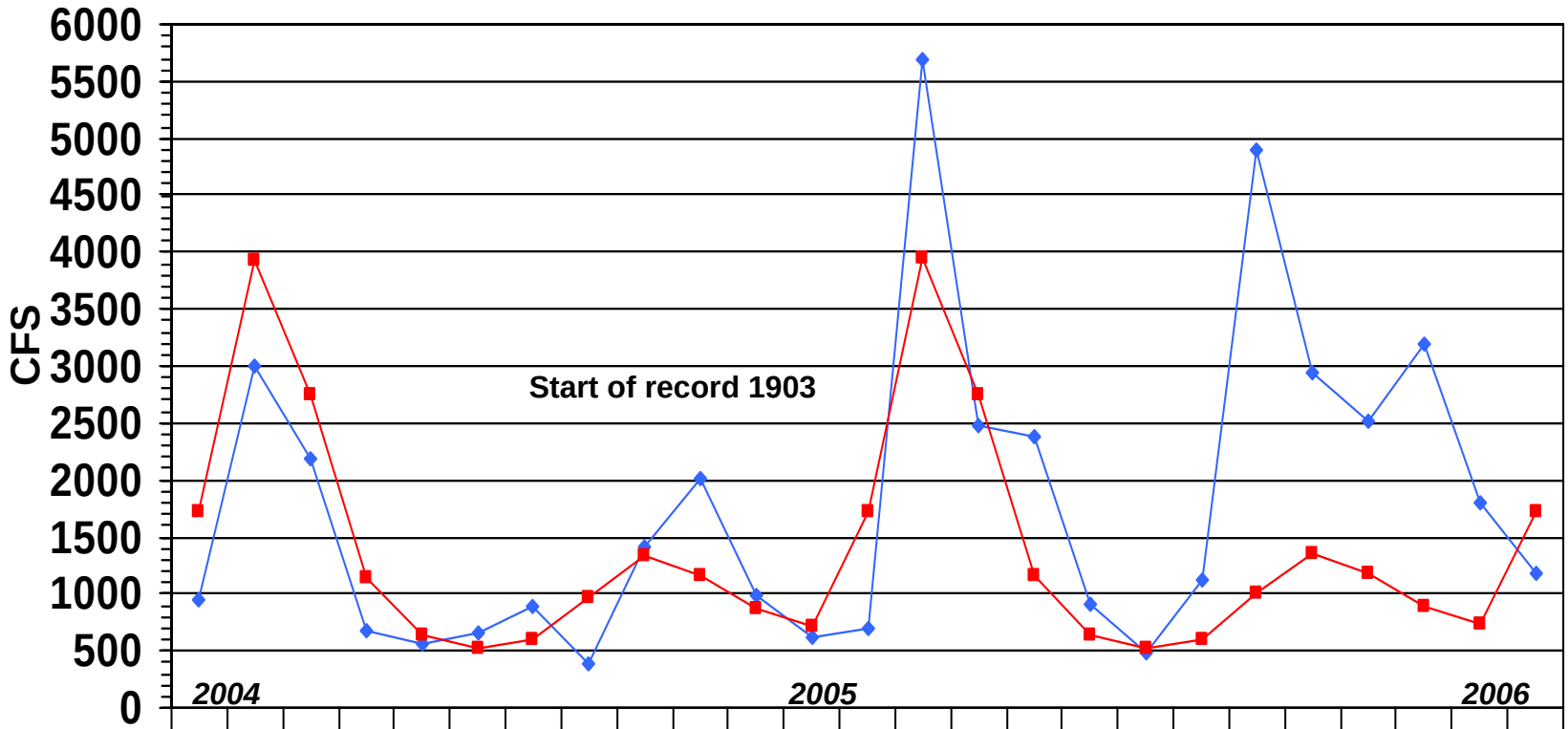


	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar
Monthly Mean Flow	769	2072	1122	437	224	334	721	434	554	1185	1182	850	890	2454	1048	671	802	190	145	3088	2171	1396	2082	1385	642
Mean of Monthly Flows	1236	1882	991	523	274	230	249	350	593	675	624	610	1232	1888	991	524	279	230	247	378	610	683	640	618	1226
% of Normal	62%	110%	113%	84%	82%	145%	290%	117%	80%	170%	184%	139%	72%	130%	106%	128%	287%	83%	59%	817%	356%	204%	325%	224%	52%

NH DES, Dam Bureau, Source: USGS (ice: 01/03,02/03,03/03,01/04,02/04,03/04)

PEMIGEWASSET RIVER at PLYMOUTH NH
Gage# 01076500

MONTHLY MEAN FLOW COMPARED TO MEAN OF MONTHLY FLOWS



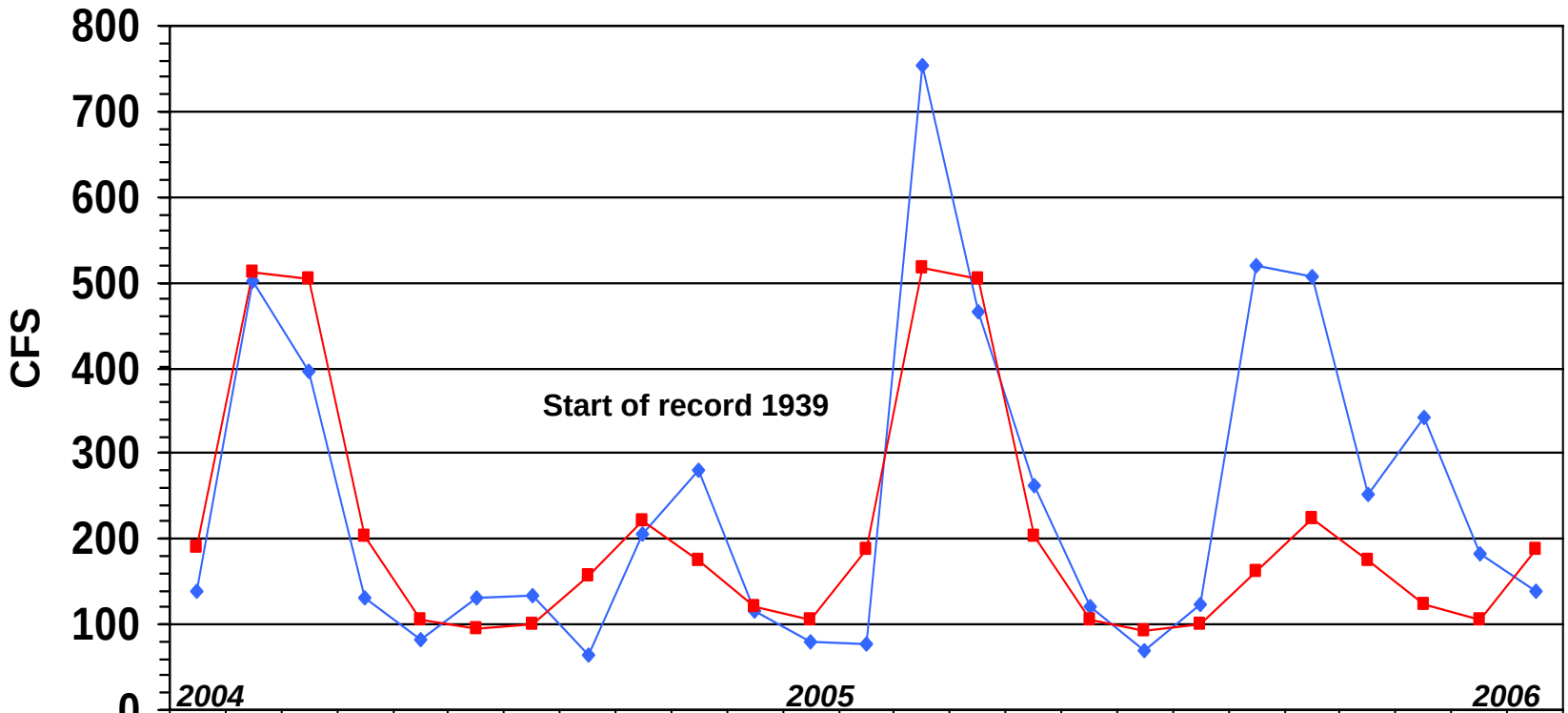
	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar
Monthly Mean Flow	949	3009	2191	681	563	654	890	393	1416	2014	986	614	702	5697	2472	2380	901	475	1114	4888	2948	2512	3189	1802	1179
Mean of Monthly Flows	1728	3924	2756	1147	634	515	598	964	1342	1161	870	725	1718	3941	2754	1159	637	514	603	1002	1358	1174	892	736	1713
% of Normal	55%	77%	79%	59%	89%	127%	149%	41%	106%	173%	113%	85%	41%	145%	90%	205%	142%	92%	185%	488%	217%	214%	358%	245%	69%

NH DES, Dam Bureau, Source: USGS (ice: 01/03,02/03,03/03,12/03,01/04,02/04,03/04,12/04)

AMMONOOSUC RIVER at BETHLEHEM JUNCTION NH
Gage# 01137500

MONTHLY MEAN FLOW COMPARED TO MEAN OF MONTHLY FLOWS

This station replaces gage# 01137000 which was discontinued by DES at the end of Sept 2004



	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar
Monthly Mean Flow	138	501	397	131	82	130	135	64	207	281	117	80	77	753	465	262	120	70	123	520	507	252	341	183	138
Mean of Monthly Flows	190	513	503	203	105	94	100	157	221	174	120	105	188	516	503	204	105	93	100	162	225	175	123	106	188
% of Normal	73%	98%	79%	65%	78%	138%	135%	41%	94%	161%	98%	76%	41%	146%	92%	128%	114%	75%	123%	321%	225%	144%	277%	173%	73%

NH DES, Dam Bureau, Source: USGS(ice:01/04,02/04,03/04,12/04)

STREAMFLOW DATA FOR SELECTED NH STATIONS AS OF APRIL 11, 2006

Station number	Station name	Est. Mean Flow (cfs)	Long Term Median Flow	99% Flow (cfs)	7Q10 Flow (cfs)	Lowest Period of Record Daily Flow (cfs)	% of Median	Below 0.99 Flow?	Below 7Q10 Flow?	Below Record Flow?
Androscoggin River Basin										
01052500	Diamond River near Wentworth Location, NH	609	477	22	16	6.8	128%	FALSE	FALSE	FALSE
01053500	Androscoggin River at Errol, NH	1,040	1,480	500	451	0	70%	FALSE	FALSE	FALSE
01054000	Androscoggin River near Gorham, NH	1,990	2,550	1300	1310	795	78%	FALSE	FALSE	FALSE
Saco River Basin										
01064500	Saco River near Conway, NH	1,180	1,710	105	97	66	69%	FALSE	FALSE	FALSE
01064801	BEARCAMP RIVER AT SOUTH TAMWORTH, NH	188	277	6	4.8	4.5	68%	FALSE	FALSE	FALSE
Piscataqua River Basin										
01072800	COCHECO RIVER NEAR ROCHESTER, NH	155	222	--	--	2.2	70%	#VALUE!	#VALUE!	FALSE
01073500	LAMPREY RIVER NEAR NEWMARKET, NH	303	619	7	5	--	49%	FALSE	FALSE	#VALUE!
Merrimack River Basin										
01074520	EAST BRANCH PEMIGEWASSET RIVER AT LINCOLN, NH	260	393	55	49	46	66%	FALSE	FALSE	FALSE
01075000	PEMIGEWASSET RIVER AT WOODSTOCK, NH	461	597	65	56	--	77%	FALSE	FALSE	
01076000	BAKER RIVER NEAR RUMNEY, NH	417	605	18	15	--	69%	FALSE	FALSE	
01076500	PEMIGEWASSET RIVER AT PLYMOUTH, NH	1,520	2,660	130	118	45	57%	FALSE	FALSE	FALSE
01078000	SMITH RIVER NEAR BRISTOL, NH	213	349	7	6.2	2.7	61%	FALSE	FALSE	FALSE
01081000	WINNIPESAUKEE RIVER AT TILTON, NH	394	1,015	143	136	48	39%	FALSE	FALSE	FALSE
01081500	MERRIMACK RIVER AT FRANKLIN JUNCTION, NH	3,240	5,285	520*	551	--	61%		FALSE	
01082000	CONTOOCOOK RIVER AT PETERBOROUGH, NH	114	274	5.5	6.3	--	42%	FALSE	FALSE	
01085000	CONTOOCOOK RIVER NEAR HENNIKER, NH	602	1,650	40	37	--	36%	FALSE	FALSE	
01085500	CONTOOCOOK R BL HOPKINTON DAM AT W HOPKINTON, NH	859	1,690	35	39	--	51%	FALSE	FALSE	
01086000	WARNER RIVER AT DAVISVILLE, NH	323	670	6	5.3	--	48%	FALSE	FALSE	
01087000	BLACKWATER RIVER NEAR WEBSTER, NH	667	566	15.5	13.7	--	118%	FALSE	FALSE	
01090800	PISCATAQUOG RIVER BL EVERETT DAM, NR E WEARE, NH	98	227	1.7	1.2	--	43%	FALSE	FALSE	
01091500	PISCATAQUOG RIVER NEAR GOFFSTOWN, NH	315	771	8	8.8	--	41%	FALSE	FALSE	
01092000	MERRIMACK R NR GOFFS FALLS, BELOW MANCHESTER, NH	6,380	11,750	560*	644	98*	54%		FALSE	
01094000	SOUHEGAN RIVER AT MERRIMACK, NH	284	643	15	12.9	--	44%	FALSE	FALSE	
Connecticut River Basin										
01129200	CONNECTICUT R BELOW INDIAN STREAM NR PITTSBURG, NH	538	359		42	30	150%	FALSE	FALSE	FALSE
01129500	CONNECTICUT RIVER AT NORTH STRATFORD, NH	2,360	2,350		176	108	100%	FALSE	FALSE	FALSE
01131500	CONNECTICUT RIVER NEAR DALTON, NH	4,180	5,450		389	115	77%	FALSE	FALSE	FALSE
01137500	AMMONOOSUC RIVER AT BETHLEHEM JUNCTION, NH	251	226		28	21	111%	FALSE	FALSE	FALSE
01138500	CONNECTICUT RIVER AT WELLS RIVER, VT	5,120	8,420		690	152*	61%		FALSE	
01144500	CONNECTICUT RIVER AT WEST LEBANON, NH	12,400	16,100	380*	902	82*	77%		FALSE	
01152500	SUGAR RIVER AT WEST CLAREMONT, NH	506	985	40	38	14	51%	FALSE	FALSE	FALSE
01154500	CONNECTICUT RIVER AT NORTH WALPOLE, NH	15,300	22,000	260*	1058	115*	70%		FALSE	
01158000	ASHUELOT RIVER BELOW SURRY MT DAM, NEAR KEENE, NH	240	540	4.5	2.7	0.4	44%	FALSE	FALSE	FALSE
01158600	OTTER BROOK BELOW OTTER BROOK DAM, NEAR KEENE, NH	69	229	1.6	1.1	0.3	30%	FALSE	FALSE	FALSE
01160350	ASHUELOT RIVER AT WEST SWANZEY, NH	609	1,330	32	--	--	46%	FALSE		

*Flow duration and record low mean daily flow significantly affected by reservoir operations

**Estimated

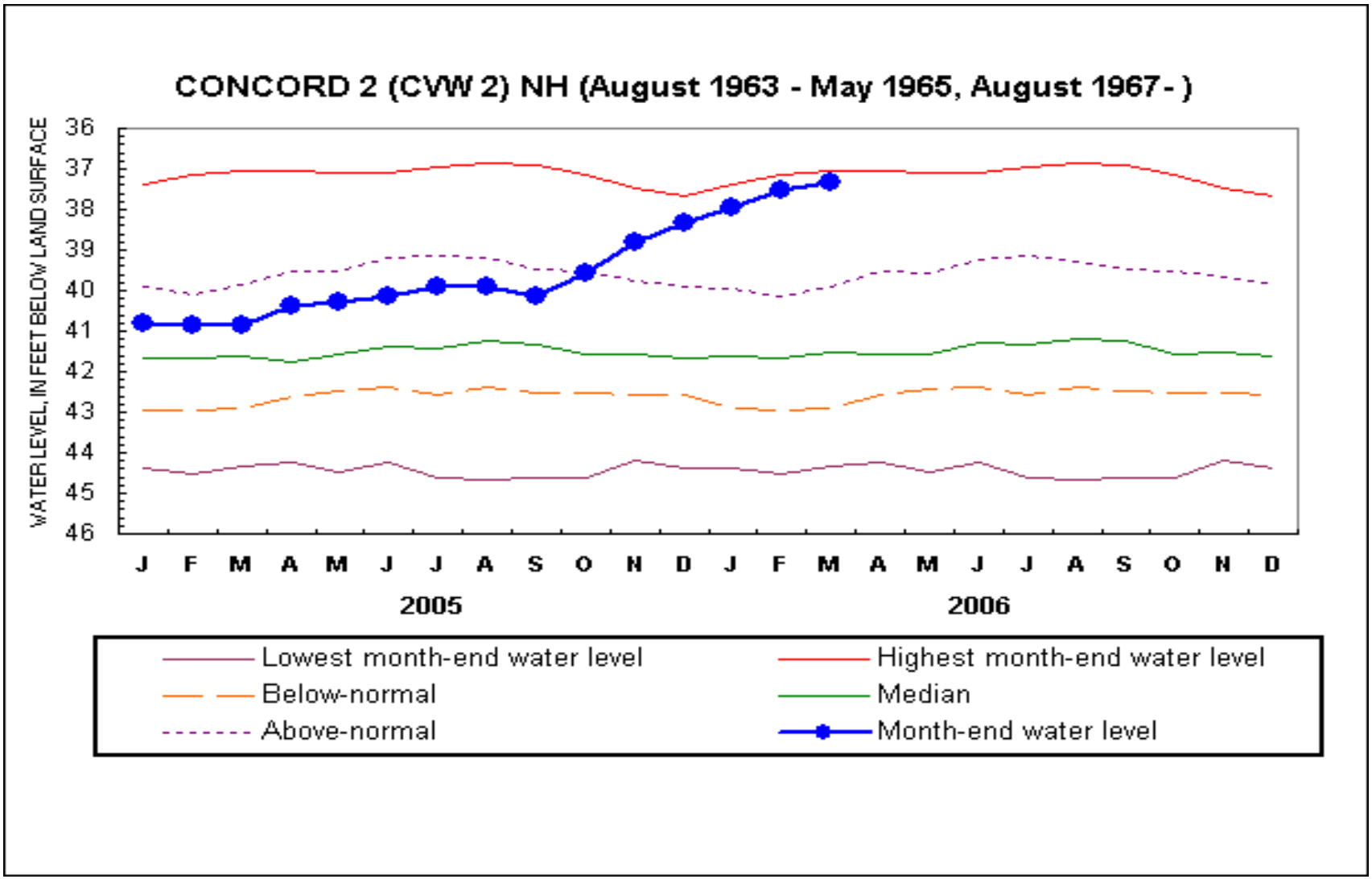
Source: USGS, NH DES

SUMMARY	Below 0.99 Flow?	Below 7Q10 Flow?	Below Record Flow?
FALSE =	28	32	17
TRUE =	0	0	0

New Hampshire Groundwater Levels for March 2006

WELL	START OF RECORD	WATER LEVEL BELOW SURFACE DATUM (ft)	NET CHANGE IN ONE MONTH (ft)	NET CHANGE IN ONE YEAR (ft)	MEDIAN	RANGE (ft)	DEPARTURE FROM MONTHLY MEDIAN (FT)	PERCENT OF RANGE	STATUS
ALBANY 14	1995	6.34	-0.63	+0.77	6.30	1.25	-0.04	-3.2	NORMAL
ALBANY 15	1995	8.22	-0.52	+0.90	8.26	1.19	+0.04	3.4	NORMAL
BARNSTEAD 10	1995	2.61	-0.07	-1.00	2.43	0.44	-0.18	-40.9	BELOW NORMAL
CAMPTON 34	1988	12.79	-0.38	-0.41	12.16	1.08	-0.63	-58.3	BELOW NORMAL
COLEBROOK 73	1995	7.66	-0.06	+0.14	7.32	0.57	-0.34	-59.6	NORMAL
CONCORD 2	1963	37.32	+0.22	+3.56	41.54	4.49	+4.22	94.0	ABOVE NORMAL
CONCORD 4	1966	16.13	-0.89	+1.63	17.47	2.89	+1.34	46.4	ABOVE NORMAL
DEERFIELD 46	1984	37.79	-0.36	+0.73	38.53	0.62	+0.74	119.4	ABOVE NORMAL
ENFIELD 30	1990	3.11	-0.54	+3.95	4.86	2.34	+1.75	74.8	ABOVE NORMAL
ERROL 1	1966	13.4	----	+0.7	13.1	1.4	-0.3	-21.4	NORMAL
FRANKLIN 1	1966	8.93	-0.94	+4.24	12.46	3.87	+3.53	91.2	ABOVE NORMAL
GREENFIELD 75	1995	58.31	+0.27	+3.93	62.41	3.11	+4.10	131.8	ABOVE NORMAL
HOOKSETT 5	1965	47.49	-1.20	+0.39	47.11	2.68	-0.38	-14.2	NORMAL
KEENE 2	1963	3.00	+0.00	-0.30	1.71	2.42	-1.29	-53.3	BELOW NORMAL
LANCASTER 1	1966	----	----	----	0.70	----	----	----	----
LEE 1	1953	30.64	-0.17	-1.10	30.64	1.30	+0.00	0.0	NORMAL
LISBON 19	1990	13.09	-0.70	-0.29	13.19	3.79	+0.10	2.6	NORMAL
NASHUA 218	1964	27.49	-1.11	-0.33	27.69	1.29	+0.20	15.5	NORMAL
NEW DURHAM 53	1986	18.81	-0.13	-0.27	18.66	1.08	-0.15	-13.9	NORMAL
NEW LONDON 1	1947	8.12	-1.19	-1.58	5.55	7.11	-2.57	-36.1	BELOW NORMAL
NEWPORT 3	1995	5.58	-0.63	-0.60	4.89	1.15	-0.69	-60.0	NORMAL
NEWPORT 6	1995	5.66	-0.63	-1.96	4.54	1.53	-1.12	-73.2	NORMAL
OSSIPEE 38	1995	33.93	-0.40	+2.15	35.69	0.69	+1.76	255.1	ABOVE NORMAL
SHELBURNE 2	1995	5.09	-0.31	-0.32	4.55	0.45	-0.54	-120.0	BELOW NORMAL
WARNER 1	1965	28.28	-1.08	+1.83	30.39	1.86	+2.11	113.4	ABOVE NORMAL

Source: USGS, NH DES



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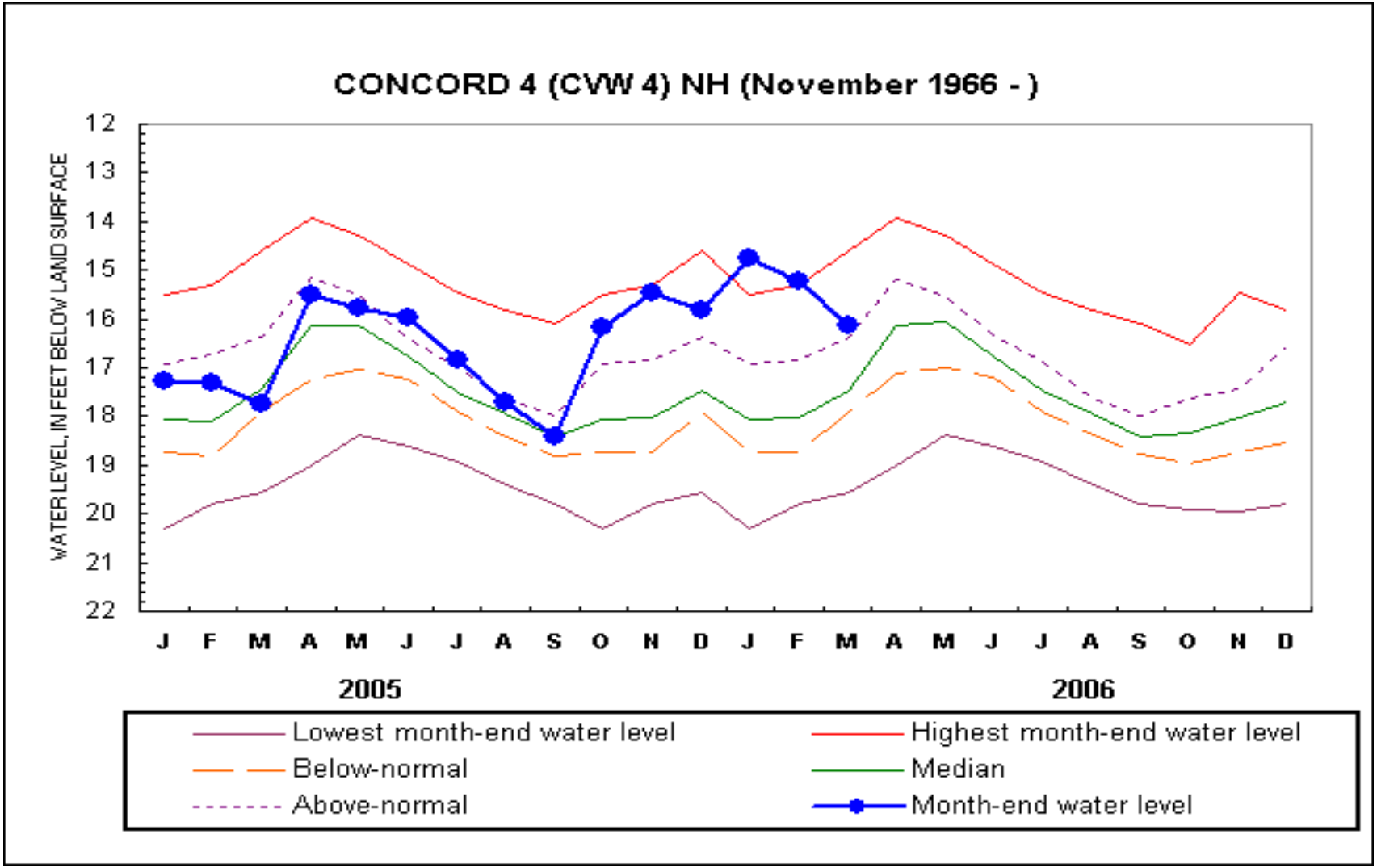

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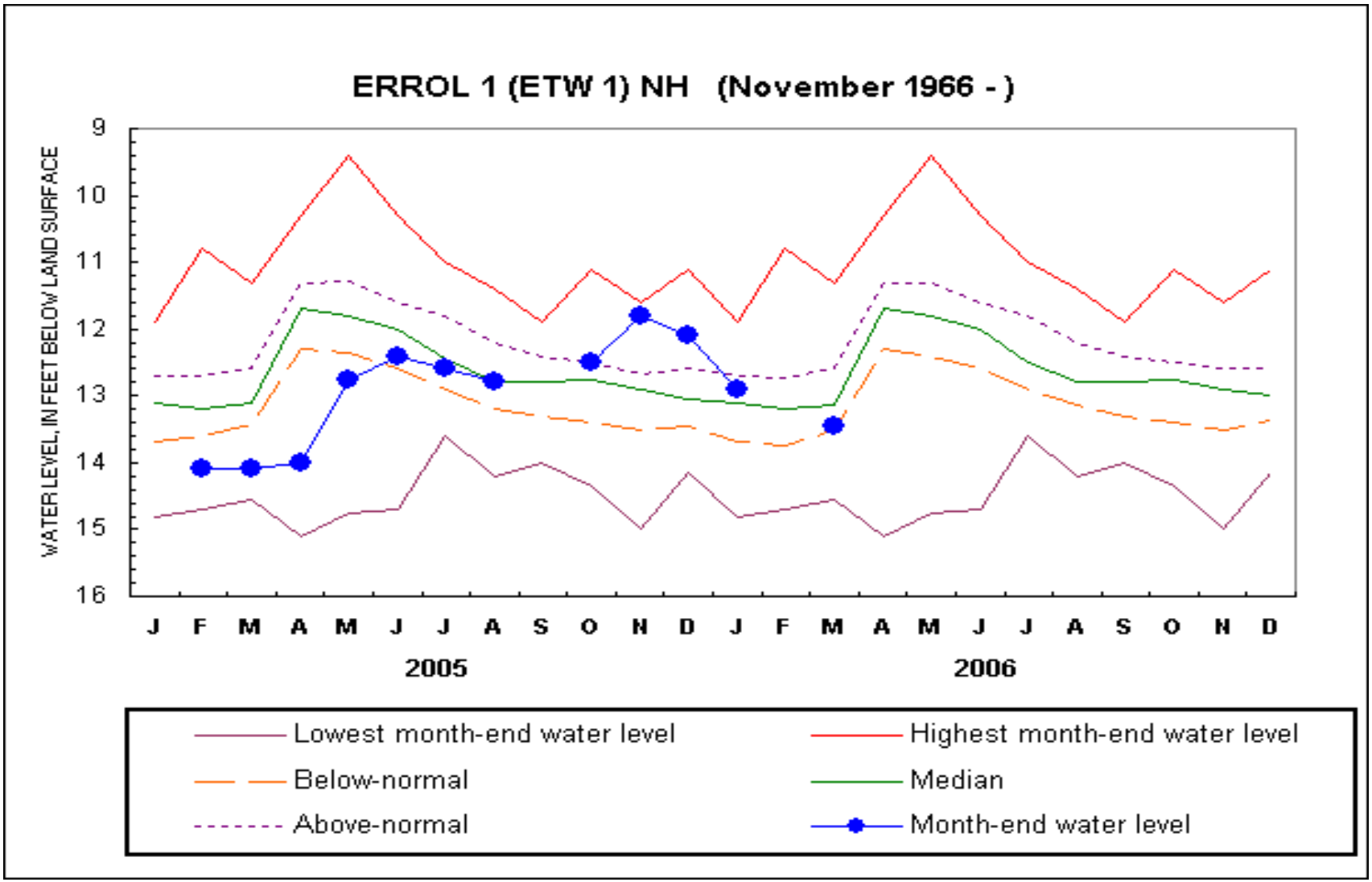

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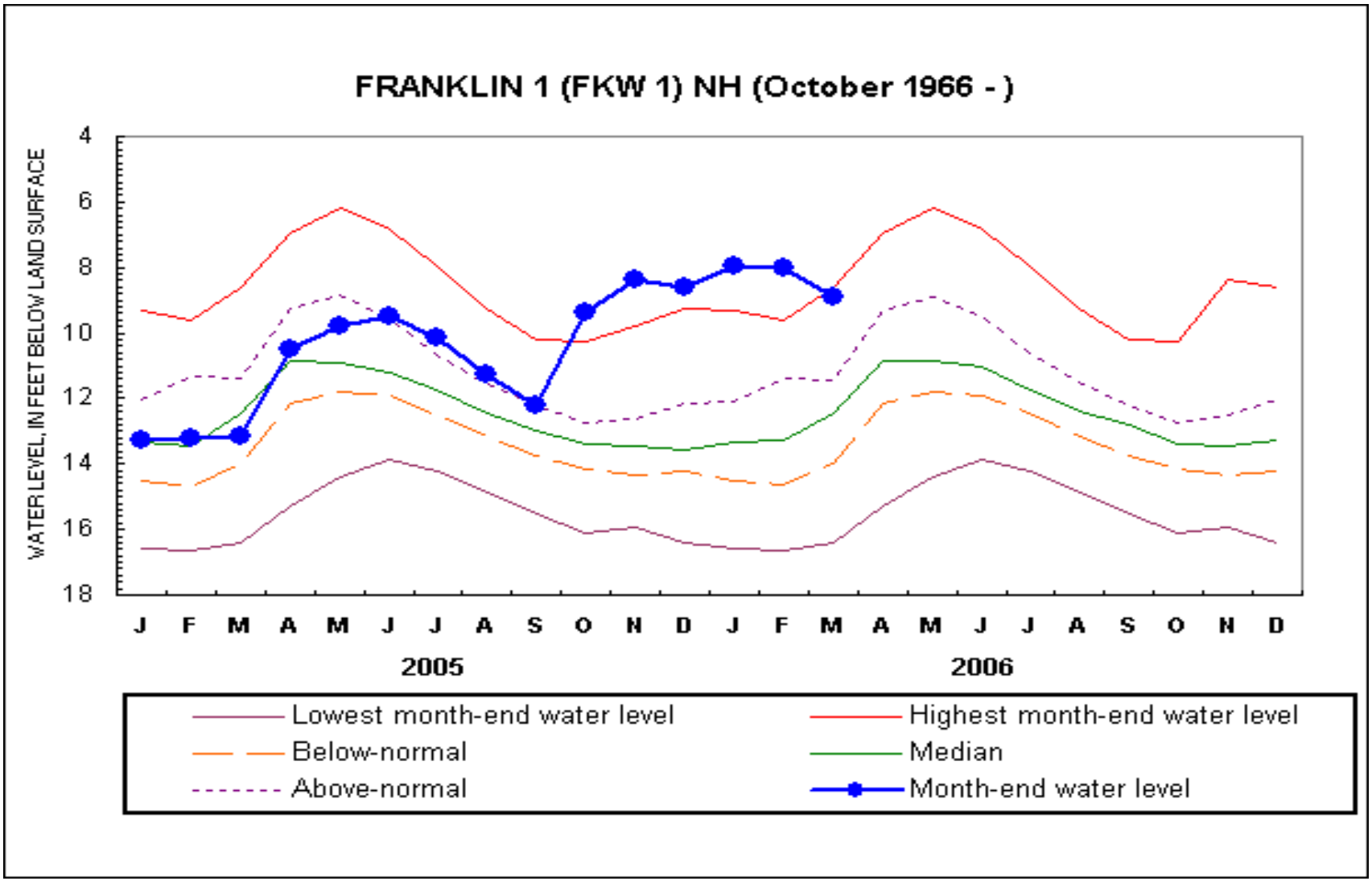

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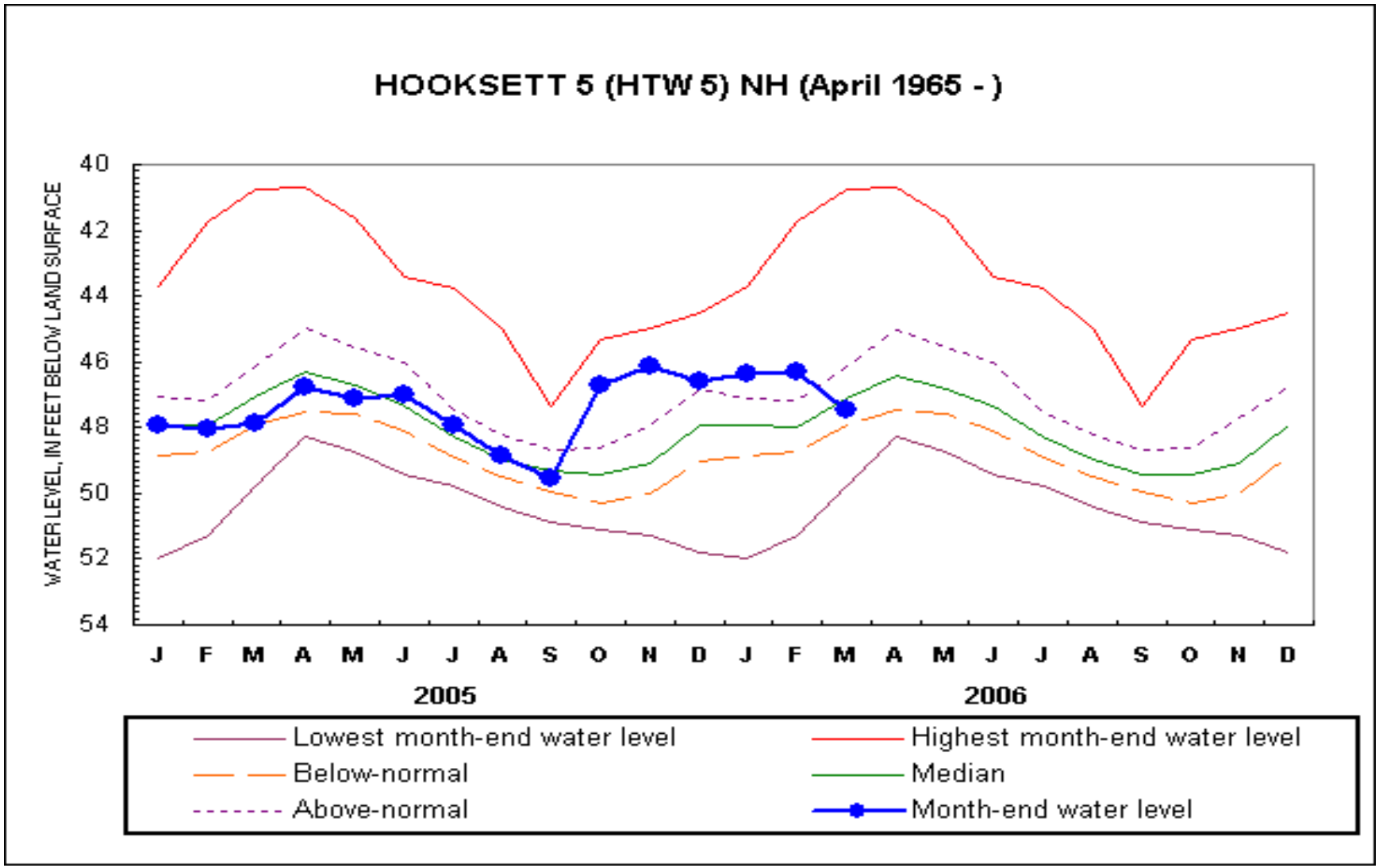

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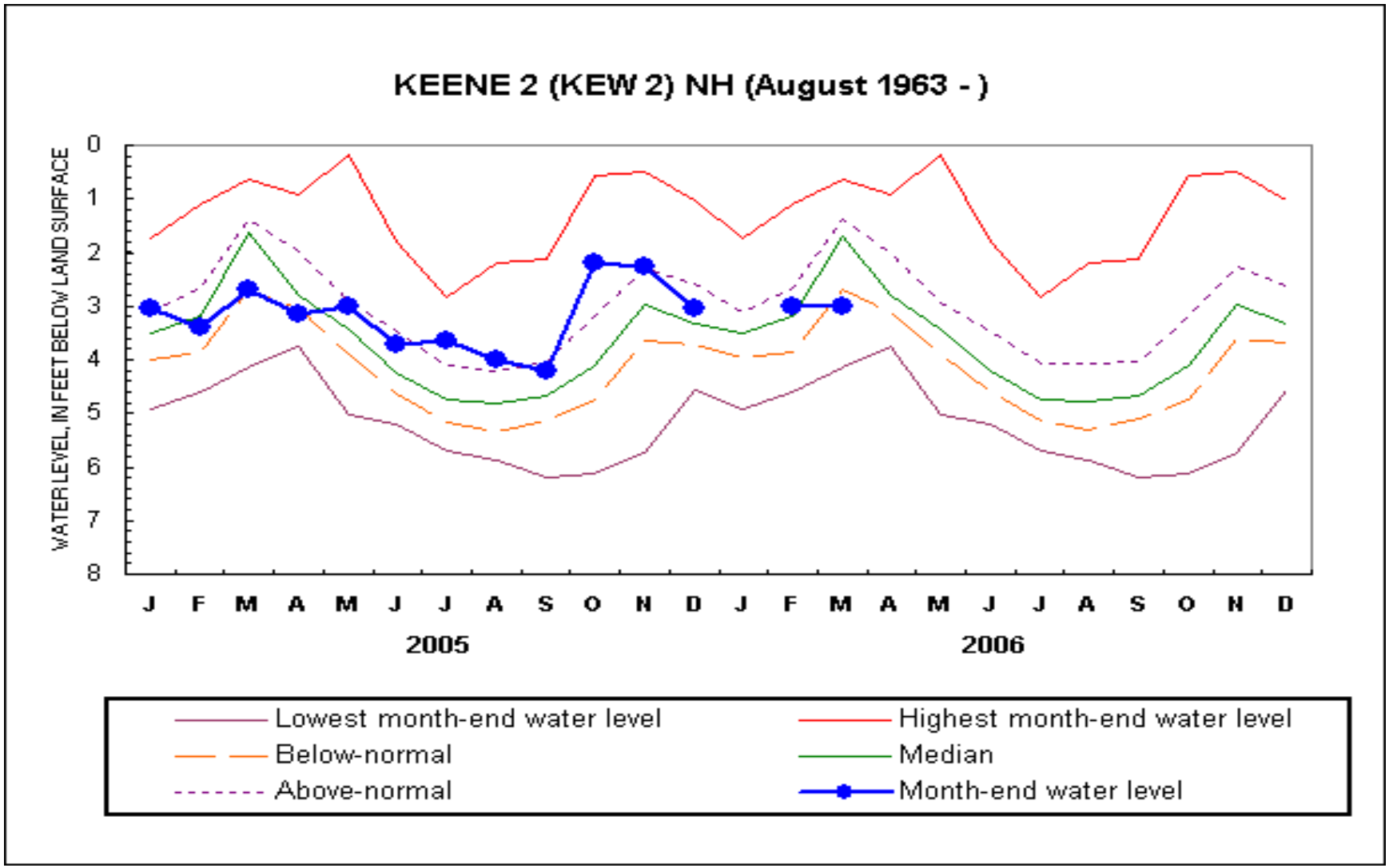

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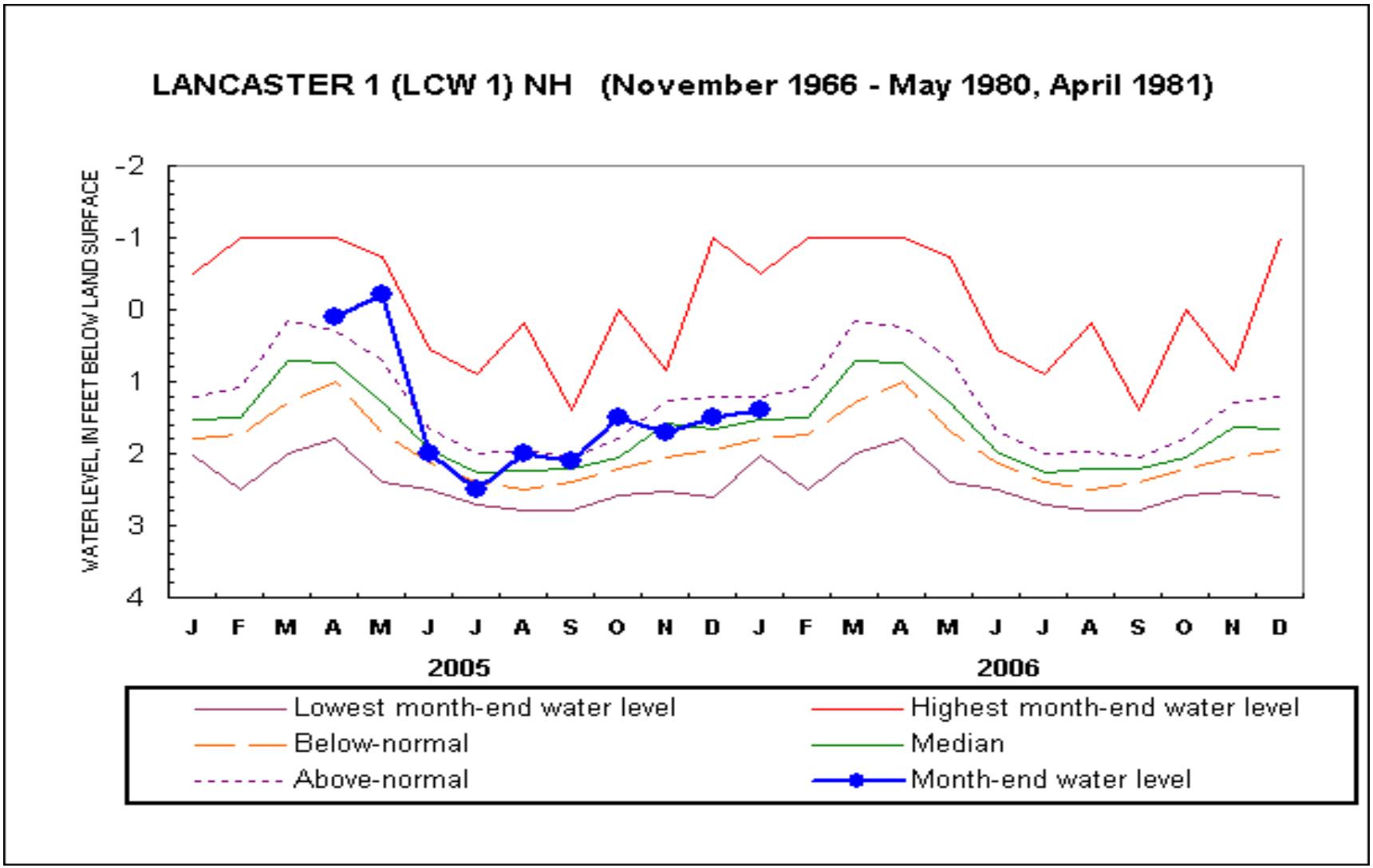

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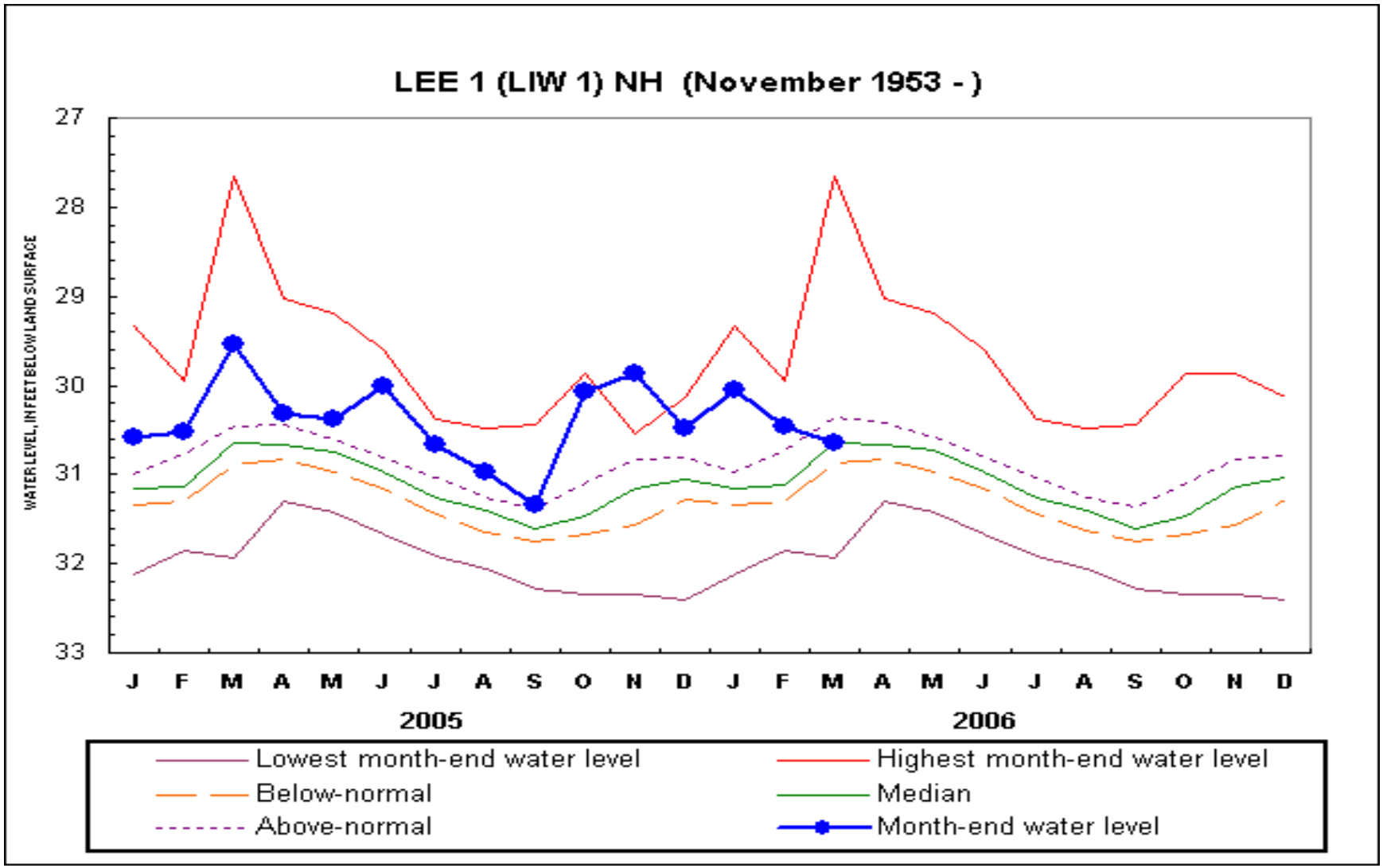

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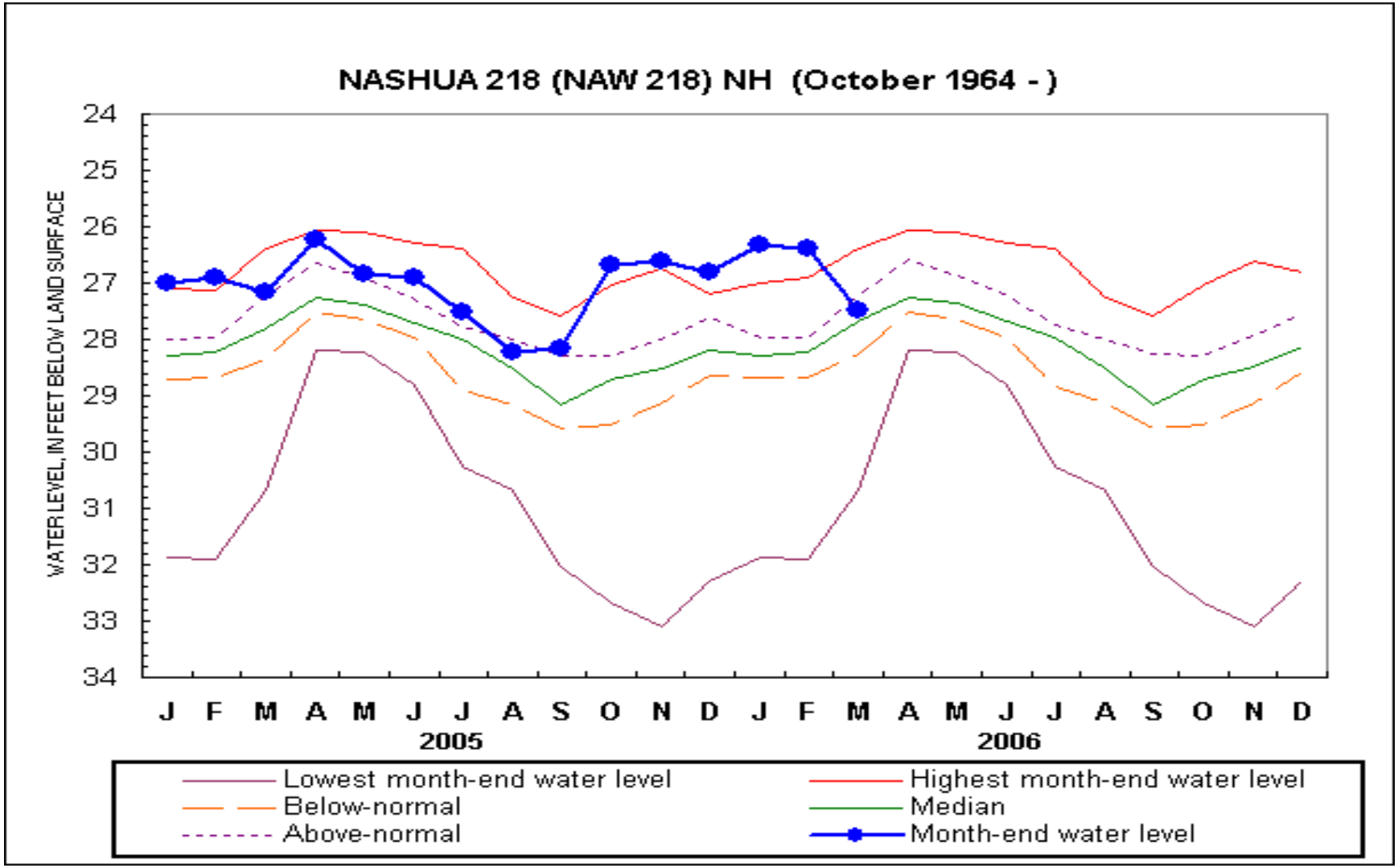

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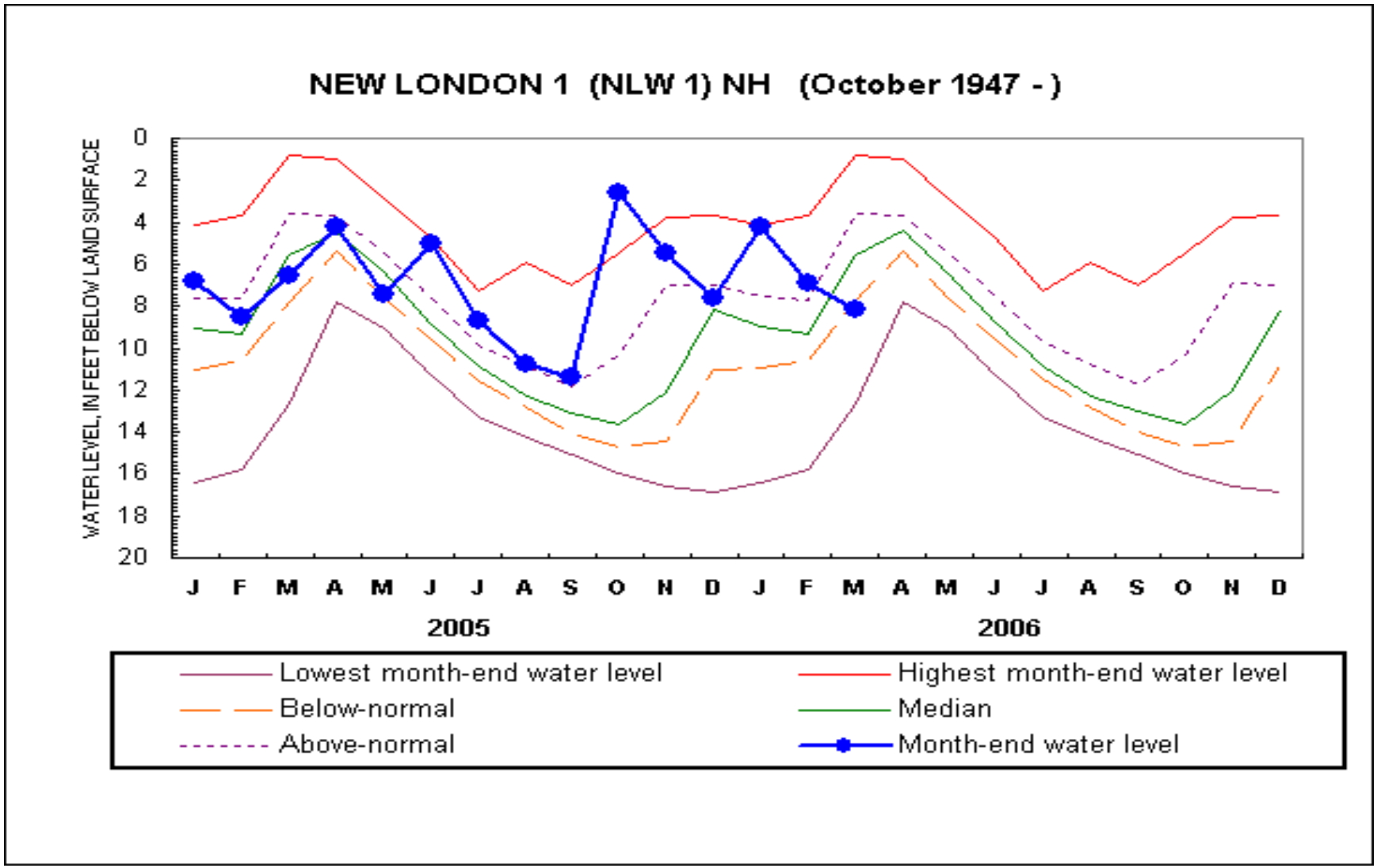

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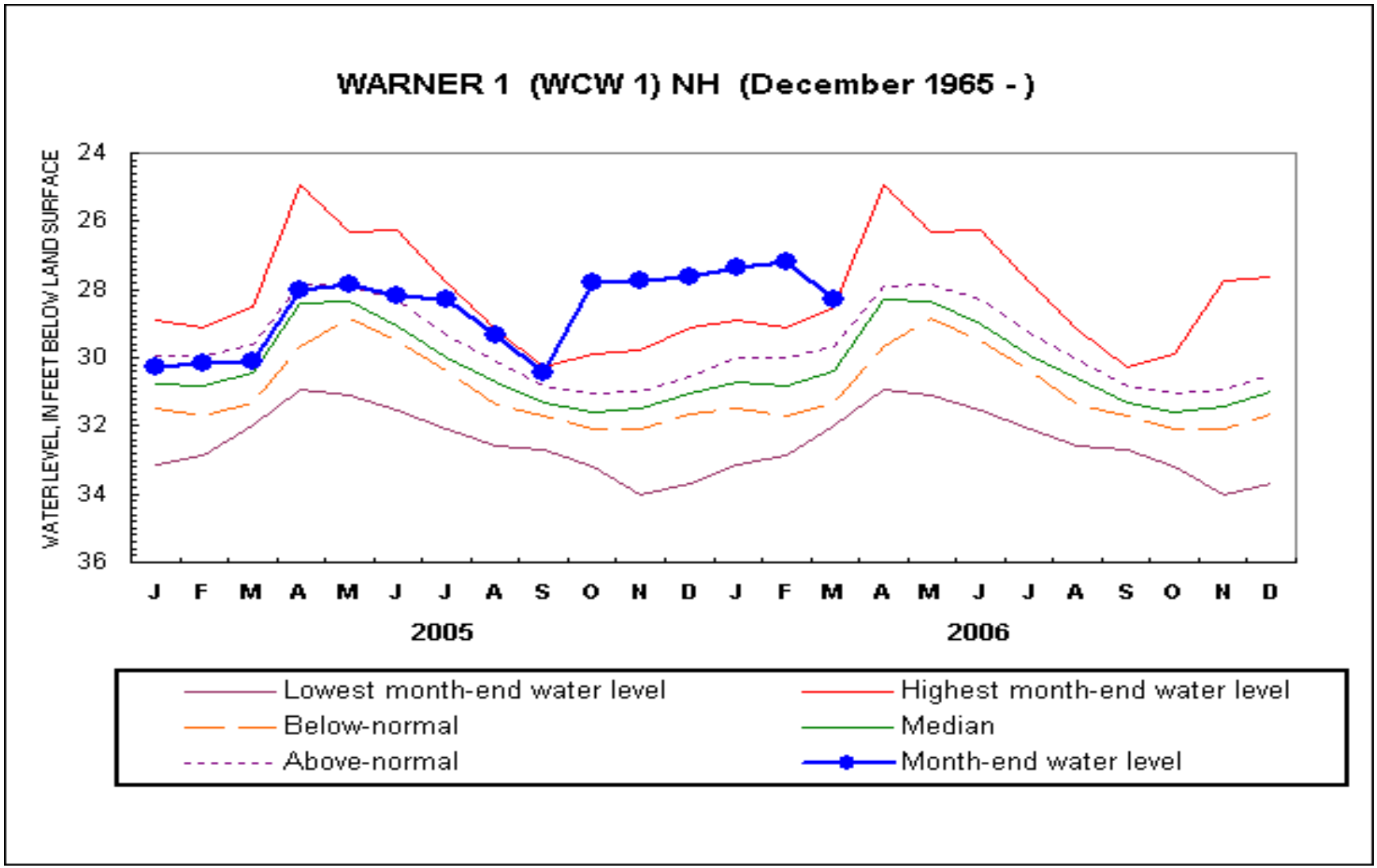

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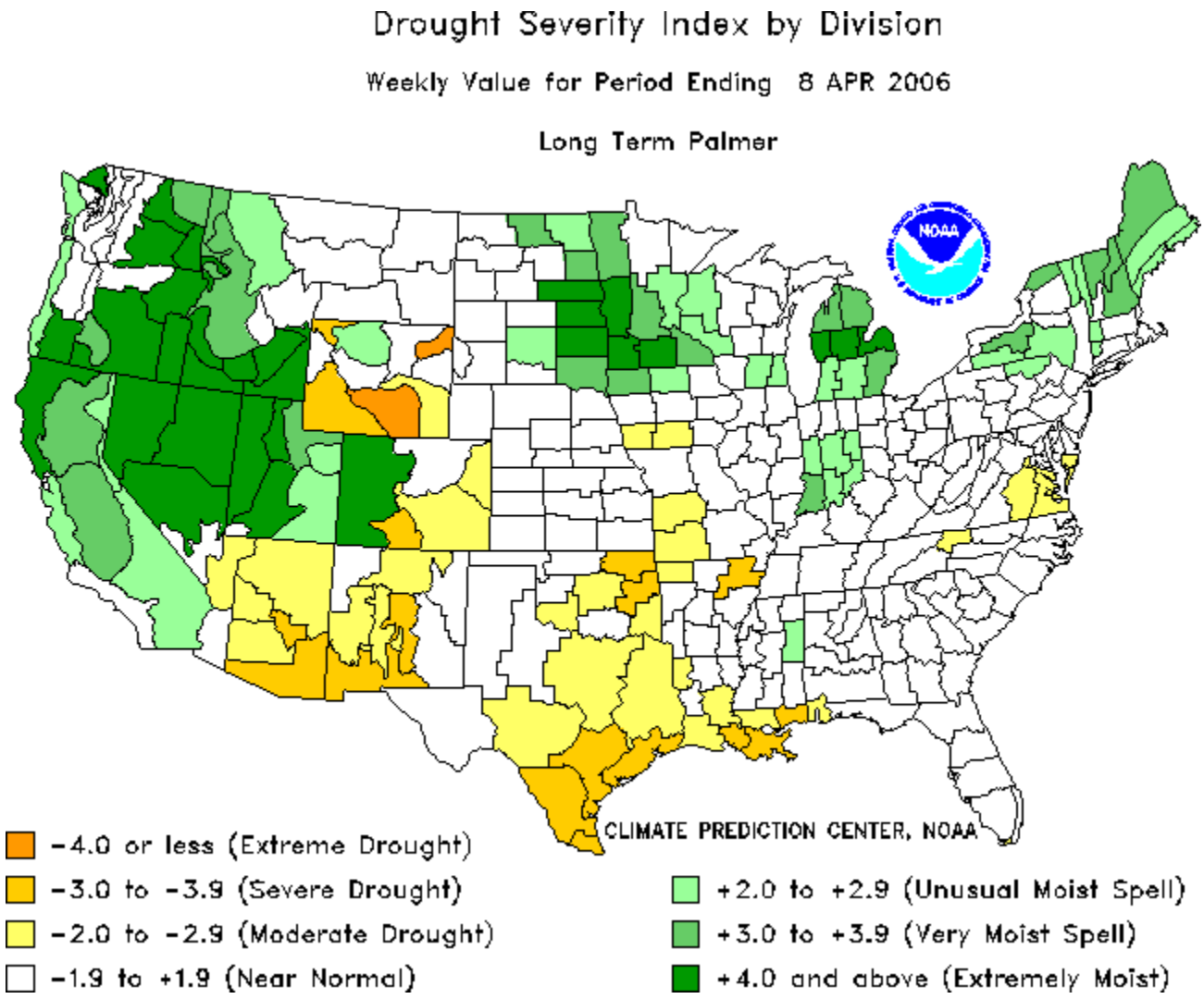
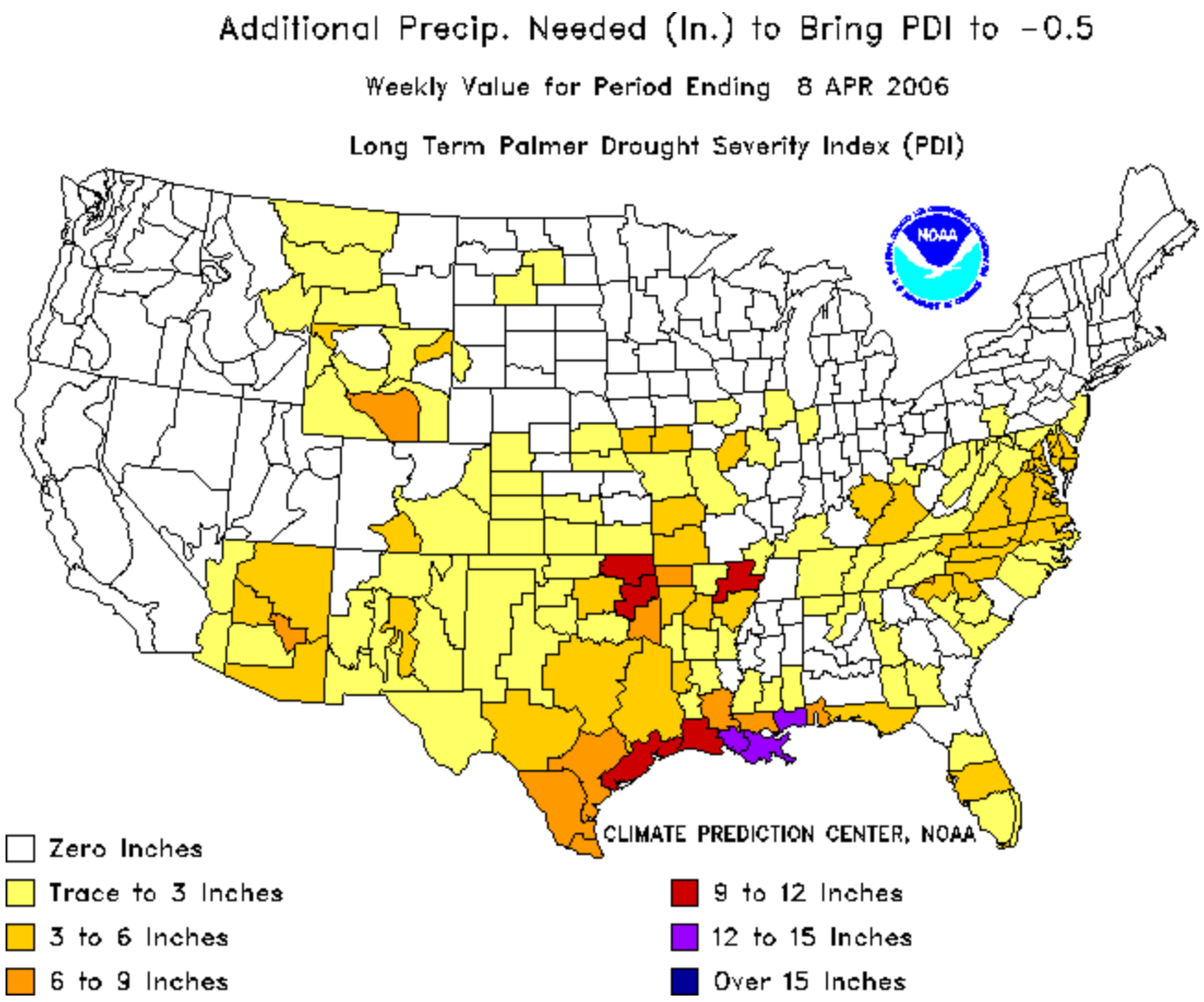


THE PALMER DROUGHT SEVERITY INDEX

The Palmer Index uses temperature and rainfall information in a formula to determine dryness. The advantage of the Palmer Index is that it is standardized to local climate.



This is the amount of rainfall required in a week's time to bring the index back to zero inches required.